

# Homework 3

1. Two small boxes have the same amount of balls. One big box has as many balls as the other two together. Write an equation to show how many balls are in the big box.



L balls



L balls



X balls

2. Complete the Merry-go-round:

$$\square - 3 = \square$$

$$\square + 7 = \square$$

$$\square + 1 = \square$$

$$6 - 4 = \square$$

$$\square - 4 = \square$$

$$\square - 2 = \square$$

$$\square + 5 = \square$$

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3. Fill in the “homes” for numbers 11, 12, 13, 14, 15, 16, 17, and 18. Use only one digit numbers.

11	12	13	14	15	16	17	18
2   9							
				9   6			
6   5							

4. Fill missing numbers and missing signs to make correct equalities.

$6 \square 2 =$	$2 \square 7 =$	$\square \square 2 = 6$	$\square \square 2 = 12$
$9 \square 2 =$	$2 \square 3 =$	$\square \square 2 = 18$	$\square \square 2 = 16$
$4 \square 2 =$	$2 \square 2 =$	$\square \square 2 = 14$	$\square \square 2 = 20$
$2 \square 1 =$	$8 \square 2 =$	$\square \square 2 = 16$	$\square \square 2 = 4$
$7 \square 2 =$	$9 \square 2 =$	$\square \square 2 = 8$	$\square \square 2 = 10$

5. On a separate paper, solve the equations. Do not forget to check your answers. Write your answers here:

$$x - 9 = 4$$

$$x = \underline{\quad}$$

$$x + 25 = 40$$

$$x = \underline{\quad}$$

$$63 - x = 27$$

$$x = \underline{\quad}$$

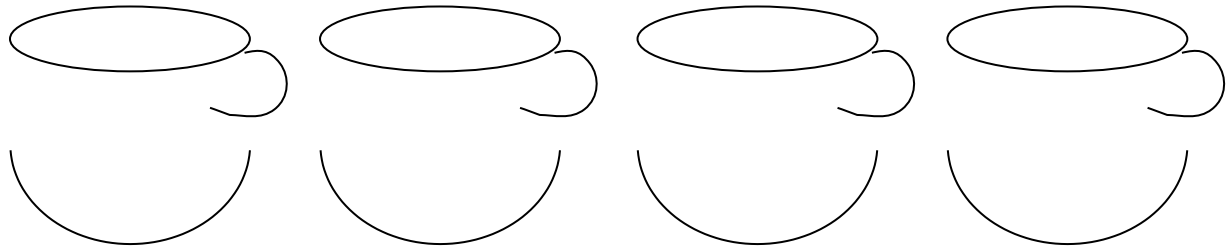
6.

Color the cups on the picture below to make all statements below correct:

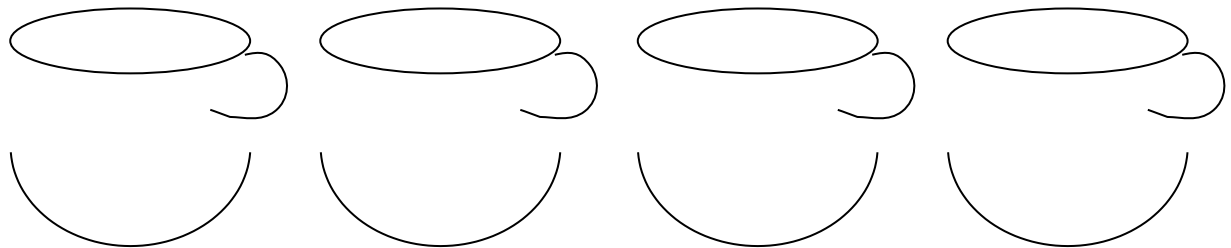
Two cups are neither blue nor red.

There is only one green cup.

There are no yellow cups.



Color the same cups to make any two statements correct.



7.

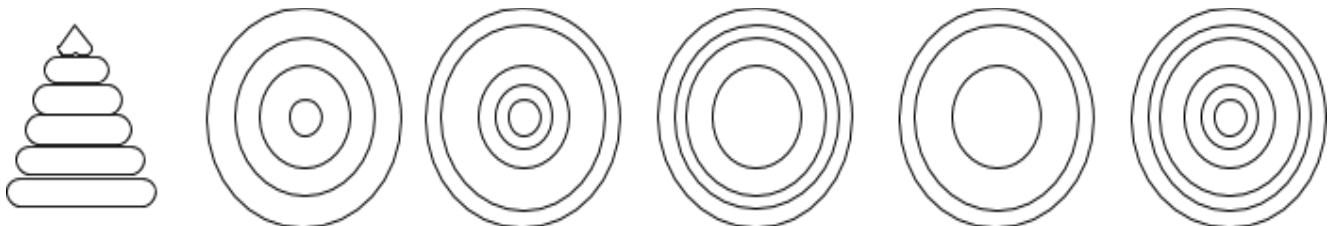
On a separate paper: Using a ruler construct as many intersection as possible with

a) 3 lines

b) 4 lines

8.

Find the view from the top, which will match the pyramid on the left.



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9.

Start with the sequence of digits 123456789. Place plus or minus signs between them so that the result of thus described arithmetic operation will be 100. (Numbers can be one- or two- digits).

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10.

Solve the problem:

a) Two people spent 2 hours playing chess. How long did each of them play?

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b) Alyssa had 129 cookies. Aiyanna has 140. How many more cookies does Aiyanna have than Alyssa?

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c) 29 birds were sitting in a tree.  $X$  more fly up to the tree. Then there were 42 birds in the tree. How many more flew up to the tree?

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11.

Compare expressions using  $>$ ,  $<$  and  $=$

$$48 + 18 \square 80 \quad 99 - 18 \square 80 \quad 32 + 59 \square 80$$

$$91 - 9 \square 80 \quad 80 - 0 \square 80 \quad 51 + 29 \square 80$$